

MEAL COOLER CENTRIFUGAL SEPARATOR

ABSTRACT OF THE DISCLOSURE

A particulate capture system having a plurality of high speed rotating

- 5 paddles for separating particulate from an air stream. The system includes an air circulating chamber within a centrifuge that separates a first portion of particulate trapped within an air stream. The particulate capture system also has a blender section that separates a second portion of particulate trapped within the air stream. The first portion of particulate is separated via circulating air flow. The second portion of
- 10 particulate is separated via encapsulating the particulate in water. The water encapsulated particles may be recirculated to a cooler or other device where the particulate may be blended with a bulk product being processed.

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